



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
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D350-822-011
Job Sheet 183947



Part No: D350-822-011

Job Qty: 1 ea

Part Name: PA100 PUREair System for AS350/EC130



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 10/1/18

Job Tracking No: SIOP

Due Date: 11/16/18

Created By: Marie Lajeunesse

Type: Stock

Description:

Note: IIN-D350-822 REV.H IPP REV:A 14.02.20 NEW ISSUE DD VERF:JLM IPP REV:B 14.06.18 AS PER IIN
REV.C DD VERF:JLM IPP REV:C 15.06.03 AS PER IIN REV.D DD VERF:JLM IPP REV:C 18.07.11 AS PER
IIN REV.H DD VERF:JFS

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	1 Ea	11/16/18	11/16/18	0.00	0.00	Start Up Stores/Pkg-1		OCT 23 2018
110	Packaging	1 pcs	11/16/18	11/16/18	0.00	0.00	Packaging1-4		DAS
120	QC	1 pcs	11/16/18	11/16/18	0.00	0.00	QC4		58 OCT 30 2018
125	Outsource	1 pcs	11/16/18	11/16/18	0.00	0.00	Outsource10		489 DAS
130	Packaging	1 pcs	11/16/18	11/16/18	0.00	0.00	Packaging3-1		69 OCT 30 2018
135	DC	1 pcs	11/16/18	11/16/18	0.00	0.00	DC		21 989 OCT 30 2018
140	QC21-FG	1 Ea	11/16/18	11/16/18	0.00	0.00	QC21		21 OCT 30 2018

Part Op 125 - Issue PO to GL account 50000-25 to LEAVE W/O OPEN UNTIL SOLD PO _____ (Send copy of PO to Pall
Descriptions: - James) Issue W/O LINE item for Pall for amount sold on sales order S/O _____ according to sales price see
Warran for amount. (if sale price is \$23,000 - amount is \$13,400) PO can be received immediately and given to finance in
order to close work order.
130 - Identify and pack for shipping as per PPP D350-822-011
135 - Photocopy bluefile & type labels per PPP D350-822-011 CHG004

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
650.0401	Pureair Fairing Assembly	1 Ea (1 ea)	90-Start up Operation	5058022
9752100180	Gasket	1 Ea (1 ea)	90-Start up Operation	5104779
9945000120	Gasket (for B3e models)	1 pcs (1 ea)	90-Start up Operation	5104778
AN821-12J	Elbow (or AN821-12K or 12S)	2 Ea (2 ea)	90-Start up Operation	5103848
AN929-12J	Cap	1 Ea (1 ea)	90-Start up Operation	5163922
D4925-041	Mounting Plate Assembly	1 Ea (1 ea)	90-Start up Operation	5114065
D4931-1	Engine Fitting (for acft models B2 & previous)	1 Ea (1 ea)	90-Start up Operation	8059439
D4931-3	Engine Fitting (For B3 Models)	1 Ea (1 ea)	90-Start up Operation	511658
D4931-5	Engine Fitting (for B3e models)	1 Ea (1 ea)	90-Start up Operation	511908
D4935-1	Mounting Bracket	6 Ea (6 ea)	90-Start up Operation	5110376
D4943-1	Flex Hose	1 Ea (1 ea)	90-Start up Operation	5072110
D4961-041	Tube Assembly	1 Ea (1 ea)	90-Start up Operation	5110840
D4961-043	Tube Assembly	1 Ea (1 ea)	90-Start up Operation	5113631
D5079-1	Placard, Eaps	2 Ea (2 ea)	90-Start up Operation	5112849
D5090-041	Duct Assembly	1 Ea (1 ea)	90-Start up Operation	5115814
D5105-1	Handle	2 Ea (2 ea)	90-Start up Operation	5110372

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																											
Date :	Step #:	QTY Effective :		MRB (QS1042) Approval																									
Description Work Order Deviation			Disposition																										
			Completed By																										
			Lead hand / Supervisor Approval Verification																										
			QC / QA Coordinator Approval																										
Root Cause <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">Environment ☐</td> <td style="width:50%;">No Re-verification ☐</td> </tr> <tr> <td>Design ☐</td> <td>Operator ☐</td> </tr> <tr> <td>Doc/Data ☐</td> <td>Offset/Setup ☐</td> </tr> <tr> <td>Equip/Tooling ☐</td> <td>Supplier ☐</td> </tr> <tr> <td>Handling/Pre ☐</td> <td>Training ☐</td> </tr> <tr> <td>Material ☐</td> <td>Use for Testing ☐</td> </tr> <tr> <td>Internal Transport ☐</td> <td>Poor Information ☐</td> </tr> <tr> <td>Tribal Knowledge ☐</td> <td>Rushing ☐</td> </tr> <tr> <td>LOA ☐</td> <td>Product Improvement ☐</td> </tr> <tr> <td>Substation ☐</td> <td>Process Improvement ☐</td> </tr> <tr> <td>Past Expiry Date ☐</td> <td>Manufacturing Process ☐</td> </tr> <tr> <td>Misidentified ☐</td> <td>Past Due ☐</td> </tr> </table>			Environment ☐	No Re-verification ☐	Design ☐	Operator ☐	Doc/Data ☐	Offset/Setup ☐	Equip/Tooling ☐	Supplier ☐	Handling/Pre ☐	Training ☐	Material ☐	Use for Testing ☐	Internal Transport ☐	Poor Information ☐	Tribal Knowledge ☐	Rushing ☐	LOA ☐	Product Improvement ☐	Substation ☐	Process Improvement ☐	Past Expiry Date ☐	Manufacturing Process ☐	Misidentified ☐	Past Due ☐	 Container No: S121445 Part: D350-822-011 Job No: 183947 Serial No/Batch: S121445 Revision: H Inspector: Exp Date: Instructions: TC STC SH14-14-Issue 2, FMA STC SR03531 Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐		
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Past Expiry Date ☐	Manufacturing Process ☐																												
Misidentified ☐	Past Due ☐																												
OTHER :																													

D5110-1	Swivel Nut Fitting	1 Ea (1 ea)	90-Start up Operation	5047765
D5179-1	Doubler	2 Ea (2 ea)	90-Start up Operation	5112597
D5179-3	Doubler	2 Ea (2 ea)	90-Start up Operation	5048931
D5194-1	Doubler	2 Ea (2 ea)	90-Start up Operation	5110376
D5208-041	Blanking Plate Assembly	3 Ea (3 ea)	90-Start up Operation	5116998
LN9038-05012	Bolt	36 pcs (36 ea)	90-Start up Operation	3104059
LN9038-05040	Bolt	1 pcs (1 ea)	90-Start up Operation	5119862
LN9348-05	Nut	32 pcs (32 ea)	90-Start up Operation	5117991
MS20470AD3-4	Rivet, Universal Head	18 Ea (18 ea)	90-Start up Operation	FM136665-40
MS21919WCH12	Clamp	1 Ea (1 ea)	90-Start up Operation	5089243
MS9592-138	Bracket	1 pcs (1 ea)	90-Start up Operation	5014155
NAS1149D0332J	Washer	70 Ea (70 ea)	90-Start up Operation	5100402
NAS43DD3-64	Spacer	1 Ea (1 ea)	90-Start up Operation	5050557
22208CM050016E	Screw	2 pcs (2 ea)	90-Start up Operation	FM138012
23350CA050	Washer	2 Ea (2 ea)	90-Start up Operation	5013736
9945000160	Gasket	1 Ea (1 ea)	90-Start up Operation	5107210
D5526-1	Upper Hose Protector	1 Ea (1 ea)	90-Start up Operation	5118043
D5526-3	Lower Hose Protector	1 Ea (1 ea)	90-Start up Operation	5118052
LN9038-05016	Bolt	2 pcs (2 ea)	90-Start up Operation	FM132469
BS4320-A5	Washer	56 Ea (56 ea)	110-Packaging	5111509
LN29985-A05	Anchor Nut	15 pcs (15 ea)	110-Packaging	5111511
LN9038-05018	Bolt	56 pcs (56 ea)	110-Packaging	5111513
MS20426AD3-3	Rivet	40 Ea (40 ea)	110-Packaging	5111514
QB21304	Pureair Panel Assembly	1 pcs (1 ea)	110-Packaging	5111504
QB21308	Fod Screen Assembly	1 pcs (1 ea)	110-Packaging	5111505
QB21310	Transition Duct Assembly	1 pcs (1 ea)	110-Packaging	5111506
QR10616	Vortex Tube Repair	1 pcs (1 ea)	110-Packaging	5111510
LN9038-05016	Bolt	2 pcs (2 ea)	110-Packaging	FM132469

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	22208CM050016E	2	12	0
	23350CA050	2	22	0
	650.0401	1	2	0
	9752100180	1	10	0
	9945000120	1	18	0
	9945000160	1	7	0
	AN821-12J	2	32	0
	AN929-12J	1	12	0
	D4925-041	1	9	0
	D4931-1	1	12	0
	D4931-3	1	8	0
	D4931-5	1	8	0
	D4935-1	6	60	0
	D4943-1	1	13	0
	D4961-041	1	8	0
	D4961-043	1	7	0
	D5079-1	2	16	0
	D5090-041	1	4	0
	D5105-1	2	18	0
	D5110-1	1	12	0
	D5179-1	2	17	0
	D5179-3	2	18	0
	D5194-1	2	13	0
	D5208-041	3	8	0
	D5526-1	1	4	0
	D5526-3	1	2	0
	LN9038-05012	36	270	0
	LN9038-05016	2	30	0
	LN9038-05040	1	2	0
	LN9348-05	32	85	0
	MS20470AD3-4	18	6,437	0
	MS21919WCH12	1	7	0
	MS9592-138	1	13	0
	NAS1149D0332J	70	2,386	0
	NAS43DD3-64	1	12	0
110-Packaging	BS4320-A5	56	174	0

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="width:12.5%;">Skid-tube ☐</td> <td style="width:12.5%;">Cross tube ☐</td> <td style="width:12.5%;">Water Jet ☐</td> <td style="width:12.5%;">Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Date :		Step #:		QTY Effective :			MRB (QS1042) Approval																		
Description Work Order Deviation				Disposition				Completed By																	
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Root Cause		FAULT CATEGORY																							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐																				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐																				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐																				
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Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐																				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐																				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐																				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER :																							
Misidentified ☐	Past Due ☐																								

LN29985-A05	15	207	0
LN9038-05016	2	30	0
LN9038-05018	56	878	0
MS20426AD3-3	40	3,533	0
QB21304	1	3	0
QB21308	1	3	0
QB21310	1	4	0
QR10616	1	7	0

Part Specifications

Specifications could not be found.

Plex 10/1/18 9:58 AM Dart.lajeunesse.marie

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
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Past Expiry Date ☐	Manufacturing Process ☐								
Misidentified ☐	Past Due ☐	OTHER :							

5.0 PARTS LIST

QTY -011	QTY -013	PART NUMBER	DESCRIPTION
X		D350-822-011	PA100 PUREAIR SYSTEM
	X	D350-822-013	PA100 PUREAIR PROVISIONS
1		QB05008	PUREAIR SYSTEM
1**		QR10616	TUBE REPAIR KIT
1**		QB21304	PUREAIR PANEL ASSY
1**		QB21310	TRANSITION DUCT ASSY
1**		QB21308	FOD SCREEN ASSY
15**		LN29985-A05	ANCHOR NUT
56**		LN9038-05018	BOLT
56**		BS4320-A5	WASHER
40**		MS20426AD3-3	RIVET
1	1	650.0401	PUREAIR FAIRING ASSY
1	1	D4925-041	MOUNTING PLATE ASSY
1*	1*	D4931-1	ENGINE FITTING
1*	1*	D4931-3	ENGINE FITTING
1*	1*	D4931-5	ENGINE FITTING
6	6	D4935-1	MOUNTING BRACKET
1	1	D4943-1	FLEX HOSE
1	1	D4961-041	TUBE ASSEMBLY
1	1	D4961-043	TUBE ASSEMBLY
2	2	D5079-1	PLACARD
1	1	D5090-041	DUCT ASSEMBLY
2	2	D5105-1	HANDLE
1	1	D5110-1	SWIVEL NUT FITTING
2	2	D5179-1	DOUBLER
2	2	D5179-3	DOUBLER
2	2	D5194-1	DOUBLER
3	3	D5208-041	BLANKING PLATE ASSY
1	1	D5526-1	HOSE PROTECTOR
1	1	D5526-3	HOSE PROTECTOR
2	2	23350CA050	LOCKING TAB
1*	1*	9752100180	GASKET
1*	1*	9945000120	GASKET
1*	1*	706A33-201-001	GASKET (OR 9945000160)
2	2	22208CM050016E	SCREW
2	2	AS1034J1212	ELBOW (OR AN821-12K OR AN821-12S OR AN821-12J)
1	1	AN929-12J	CAP
70	70	BS4320-A5	WASHER (OR NAS1149D0332J)
36	36	LN9038-05012	BOLT
2	2	LN9038-05016	BOLT
1	1	LN9038-05040	BOLT
32	32	LN9348-05	NUT
18	18	MS20470AD3-4	RIVET
1	1	MS21919WCH12	CLAMP (OR MS21919WHG12)
1	1	MS9592-138	BRACKET
1	1	NAS43DD3-64	SPACER

* USE APPROPRIATE FITTING/GASKET BASED ON ENGINE INSTALLATION

** PART OF QB05008 ABOVE

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Revision: H

Date: 18.06.03

Change Record

PAGE 1 OF 1

Part Number: D350-822-011

Description: PA100 PUREAIR SYSTEM

[illegible]

